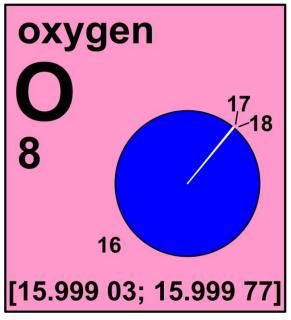
oxygen



| Stable | Atomic mass* | Mole |
|-----------------|---------------|----------|
| isotope | | fraction |
| ¹⁶ O | 15.994 914 62 | 0.997 57 |
| ^{17}O | 16.999 1317 | 0.000 38 |
| 18 O | 17.999 161 | 0.002 05 |

^{*} Atomic mass given in unified atomic mass units, u.

Half-life of redioactive isotope

Description of the control of the co

Important applications of stable and/or radioactive isotopes

Isotopes in the environment

1) ¹⁸O/¹⁶O measurements record the impact of abrupt climate changes on the terrestrial biosphere.



Figure 1: Diver collecting samples in Devils Hole, a tectonically formed subaqueous cavern located in south central Nevada. The vein calcite that coats the walls of the cavern has provided a 500,000 year record of paleoclimatic parameters.